CoCoALib - Design #1266

Make a poly ring QQ[x,y,z] also contain a ZZ[x,y,z]

28 Mar 2019 16:42 - John Abbott

Status:	New		Start date:	28 Mar 2019
Priority:	Normal		Due date:	
Assignee:			% Done:	0%
Category:	Improving		Estimated time:	0.00 hour
Target version:	CoCoALib-1.0		Spent time:	0.00 hour

Description

Idea: every polyring QQ[x,y,z] should also contain a single copy of ZZ[x,y,z].

This single copy can then be used whenever computing a GBasis in QQ[x,y,z], rather than creating a new ZZ[x,y,z] for each ideal.

Is this a sensible idea? Does it work well in multithreaded contexts?
Analyse; discuss; maybe implement.